

Friday November 16, 2018

7:30pm

**Our Saviors Lutheran Church
1035 Carol Lane Lafayette**

**DX Interest Group Meeting
With Dave Piersall, N6ORB 6:30pm**

*** License Testing 6pm ***

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NOVEMBER MEETING PROGRAM

EIGHT ISLAND AMATEUR RADIO EXPEDITIONS IN THE CARIBBEAN



Jignesh Desai, AD6TF/VU3FRN, will share some of his experiences from many Caribbean islands including the YV0 DXpedition to Isla de Aves, "a most lonely island of the Caribbean." The YV0 crew passed through a very difficult time when one of the team members passed away on the first day of the DXpedition. The presentation will include a slide show with audio and video clips covering Aves Island history, geography, nature, and the YV0 DXpedition.

Jignesh Desai is an avid DXer and contesteur. He obtained his extra class license in 1999.

Jignesh has been to many IOTA DXpeditions in the Caribbean and has operated from India and Chile in CQWW CW contests. A few years ago, he played a major role in organizing a Hamfest in India. He holds the Indian call sign VU3FRN. Jignesh is a California state licensed professional engineer and works for San Francisco Public Utilities Commission as a project manager for wastewater treatment plant capital improvement projects.



WELCOME NEW MEMBERS

James Bloch, K6JMB

Kerry Cochran, KC6KNT

Steven Corey, KE6FCB

Louis M. Frank, KG6FCT

David Harding, KM6VYE

If you hear any of these new members on the air, please welcome them to our club.

— *Tom Deeble, KA6SIP*



When you purchase at Amazon dot com smile, a portion of your purchase is donated to our club.

Go to:

<https://smile.amazon.com/ch/23-7072059>

ALL MEMBERS ARE INVITED TO JOIN THE CLUB E-MAIL GROUP.
DOWNLOAD FILES, INCLUDING *THE CARRIER* IN **FULL COLOR** AS WELL AS SHARE INFORMATION WITH THE MEMBERSHIP AT:

<https://groups.io/g/MDARC>

(the Yahoo group will be abolished)

Mount Diablo Amateur Radio Club W6CX
P.O. Box 23222 Pleasant Hill, CA 94523
(925) 288-1730

The Carrier is a monthly publication of the Mount Diablo Amateur Radio Club (MDARC). It is the policy of the editor to publish all material submitted by the membership provided such material is in good taste, relevant to amateur radio and of interest to MDARC members, and provided space is available.

President - Larry Bradley, KK6QPE

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mdarcmembership@mdarc.org

PACIFICON 2018

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Registration: Tom Deeble, KA6SIP & Debbie Deeble

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Trustee W6LGW - Dick Brown, KT6X

***The Carrier* Newsletter**

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President's Message



MDARC Family,

Clocks all changed? Did you remember to set them back one hour or did you forget and set them ahead by one hour. Well, hopefully by the time you read this in the Carrier you will have figured it out if you set it wrong.

Feels weird sitting in my ham shack at 1730 and to look out the door and for it to be nearly dark. Makes for even fewer hours to work on outdoor projects when I get home from work.

PACIFICON! I sure hope you went for at least one day to take him some great forums and visit the awesome number of vendors. It was nice to get to know some of the “regulars” and to renew acquaintances.

I did not have any purchases on my “wish list” for PACIFICON but a friend who could not stay for the vendor hall to open on Friday asked me to pick up an Elecraft AXT1 antenna for his KX2. I did not get around to it until Saturday and I bought the antenna and accessories for him, but before I left the Elecraft stall I had purchased the same antenna and of course had to buy the KX2 package on which to use it. I think I, as well as many others, made the Elecraft folks very happy during these three days.

What forum did you like the best? I was busy helping with registration and security so attended only a few forums, but I did enjoy the Marconi Museum and a QRP Adventure in Italy with Don Minkoff, NK6A. It was not a great source for technical information, but it was nice to see QRP and portability in action.

You voted for club officers, right!??? As a club member you have the opportunity to help choose who leads MDARC. Please exercise your opportunity if you have not done so already.

Kudos to Larry KI6LNB for a well-organized radio communication group to assist with the Mount Diablo Summit Stomp running event and thanks to all who participated (see KI6LNB's article in this issue). We had some injuries to report and when I spoke with Jasmin (Brazen Racing) she mentioned about taking a few people in for stitches.

What's up next on the MDARC social calendar? The Holiday Banquet of course. So mark your calendars for December 4 for a great evening of fun, food and friends. I'll be there, but don't make that an excuse not to attend! And if you are like me, I don't even own a suit jacket and have no intention of buying one so just put on business casual clothes and come.

I want to wish you all a very happy Thanksgiving Well, that about does it from me.

“The greatest motivational act one person can do for another is to listen.”
—— Roy E. Moody

73 Larry Bradley KK6QPE

PACIFICON 2018

ARRL Pacific Division Ham Radio Convention
Produced by the Mount Diablo Amateur Radio Club



Misa Siemons, KJ6BUE,
PACIFICON Chair



Submitted by Pete Harris, KE6ZIW



Jeri Ellsworth, AI6TK,
keynote speaker



You Tube Links to PACIFICON Videos

<https://www.youtube.com/watch?v=k2u5FZY6cBs>

<https://www.youtube.com/watch?v=tOb9BIYjvA0>



Pacificon 2018 Special Event Station W1AW/6



The PACIFICON Special Event Station, W1AW/6, saw a lot of activity over the 48 hour operating hours. With help from a number of people, the station went up with no major difficulties or issues. The tower trailer, brought up by John Parks, W6JPP from Mount Diablo Radio Club (MDARC) was spotted in place near the Bishop Ranch West entrance at about 2 PM, Thursday, October 18. The two operating tents were quickly erected, tables and chairs in place and power cables run by about 4 PM.

We started building the antenna, a KT34M2, 20-15-10 meter beam

antenna at 4 PM and with the 80 and 40 meter double bazooka antennas, coaxes attached and mounted on the tower, we had all in the air at 35 feet by 6 PM. We initially had the KT34 pointed to far south so we lowered the tower, adjusted the azimuth, and back up it went. This time, a little far north but it worked well. It was now time for a break and some dinner.

Friday the 19th, we started setting up the operating positions. We had an IC-756 Pro III, two IC-756 Pro II's and an IC-7600. M One rig each for 15, 20, 40, and 80 meters. On Saturday, a fifth position was set up, an Elecraft K3 to operate FT8 on 17 and 30 meters. The first station on 20 meters was operational by about 10 AM and all were working before noon, the official start time for W1AW/6.

The visitor turnout to W1AW/6 Special Event Station was really wonderful. We had 200+ visitors, some to operate and some just to look. Christopher Hoover, AI6KG helped two people get their very first HF contacts on HF. According to Roy Adam, N6FUN, there were about 65 scouts signed up for Pacificon activities, 19 of whom earned their Radio Merit Badges. The scouts had to operate a radio station for 10 minutes to qualify. It was great fun watching and assisting the scouts get their badges. Band conditions weren't the most cooperative this year. In the 48 hours of operating, just over 750 SSB and CW contacts and 53 FT8 contacts were made.

The Palo Alto Amateur Radio Association has been supporting PACIFICON for 6 or 7 years. Our contribution has been warmly received and appreciated by MDARC.

Submitted by:

Marty Wayne, W6NEV
Coordinator, PACIFICON 2018 Special Event Station

Communications Support for the Mount Diablo Summit Stomp

By Larry Loomer, KI6LNB

On the morning of November 3, 2018, 20 hams and one YL met at a small parking lot in the Castle Rock Recreational Area, located in Walnut Creek, CA, at 0630 hours, for the purpose of being briefed on the plans for the upcoming day's assignment to support the Mt. Diablo Summit Stomp 5 kilometer (K), 10K, 1/2 Marathon (M) and 30K races on the slopes of Mt. Diablo.

Present for the briefing were: Terry KK6KGX, Bernie NJ6W, Mike W6GAE, Tom KE6DQV, Tim KA6TIM, Martha KJ6VQZ, Bill N6SGT, Chris K6CRJ, Yan KM6NFC, Diane K4IWM, Mike Warren W6MEW, Marilyn YL, Chris KB0CSA, Klaus K6KHB, Bill KI6HCA, Eoin KK6Q, Tom KM6BCT, Mike KJ6KDJ, Larry KK6QPE, Frank KF6FIO and Larry KI6LNB.

Talk-in was on the W6CX repeater, and that was the primary frequency for the event. An alternate simplex frequency was specified on the communication plan, but was not used. The Echolink and IRLP programs on the repeater were turned off for the day to minimize outside interference with the Summit Stomp Net traffic.

The Ham Radio Communication plan had been created by Net Control and emailed to each ham in advance of the briefing. Maps of the four race courses were passed out, graphically showing the assignment locations. Further, the results of a survey, made the previous day by Net Control, of the ham locations that were accessible by car, made suggestions for finding the assignment location, and a place to park near the assignment, on the two lane road that was the route that the hams took to find their places on the mountain. The descriptions were successful and accurate, except for a misinterpretation by Net Control as to where one of the aid stations was to be set up. These descriptions were passed out during the briefing time as well.

Souvenir event tee-shirts, which were ordered by size in advance, were passed out to the hams before departing to their respective assignment locations. As the hams deployed to their locations on the mountain, the words of the lead ham rang in their ears, "Stay safe and have fun."

The morning started with a radio roll call of all of the hams, to confirm that they were in their proper locations on the mountain and that they could communicate with Net Control from their assigned positions.

The race management requested that the hams track the 30K runners by bib number at the Summit Aid Station and at the Helipad Aid Station. Papers were provided to the hams for tracking the bib numbers. Also requested was the reporting of the progress of the first three runners' bib number on the 30K course. Further, we were asked to track the last five bib numbers in that same race.

Race management also provided information about the color of the bibs for each race. The 30K racers had green bibs. The 1/2 M bibs were red. Blue bibs were worn by the 10K racers and the 5K runners had yellow bibs. For tracking purposes, the bib numbers for the 30K runners were from 3386 to 3600. For the 1/2M runners, the bib numbers were 4000 to 4199. 4200 to 4474 was the group of bib numbers assigned to the 10K runners and the 5K runners had bib numbers 4475 to 4825. Tracking chips were pasted on the back of each bib to track each runner electronically. *(continued on following page)*

The first race began with a toot of the air horn, at 0745 hours; this was the Early Start race for those racers who preferred to take the 30K or 1/2M courses at more leisurely pace - not a run but a nice walk. These "racers" received a "finisher" medal, but were not counted for the prizes by age group. Their bibs had a "hiker" sticker on them. Next, the 30K racers began their journey at 0815 hours. These were the individuals who had been seriously training for an event such as this, with elevation gain and uneven running surfaces.

The Half Marathon Runners left the starting line at 0830 hours. These were the runners who also had been seriously training, but did not yet have the distance running capability of the 30K runners. The 10K runners were turned loose on the trail at 0900 hours. These runners were serious about their sport, but had not yet worked up the stamina to compete in the longer, more difficult events. The last group to descend upon the trails was the 5K group. This was either a fun run for persons or families that were getting into the sport of running together, or an introduction to competitive running for beginners. The 5K group began to appear at the finish line on their return run. Soon afterward, the 10K runners were finishing their races as well.

The top of Mt. Diablo was windy and cold, a great difference from the warm, sunny weather at the Net Control position and at other positions at the bottom of the mountain. There was a period of an "open mike", which shut down ham communications, but it did not last very long. Fortunately, there were no emergencies during that shut down period.

When the 30K sweep appeared on the course, the ham stations began reporting to Net Control the progress of the sweep person. As it turned out, there was one runner (race participant) behind the sweep person. That totally defeated the purpose of the sweep. The sweep is supposed to position himself behind the last race participant. This situation left the monitoring of the last race participant to the eyes of the ham group. The progress of the last participant was sequentially reported to Net Control by the radio operators. This final participant even went so far as to take a shortcut around one of the ham locations, which upset our tracking efforts for a while.

One runner suffered a fall on the very steep road near the summit of Mt. Diablo. First aid was administered on the site, and the runner was transported to the Finish Line by car. Another runner "blew her knee" near one of the ham locations. She could walk but was in a lot of pain. This runner was transported by car to the nearest Aid Station where there was a paramedic to treat her.

As it turned out, the last runners in the 30K race were spread out well enough that there was no need to track the last runners' bib numbers. They stayed in order for the last half of their time on the course. In that case, only the bib number of the last participant was tracked. When the last participant had crossed the Finish Line, the race management reported that all of the race participants were accounted for, with the help of the ham radio group radioing in drops from the races and race changes made by the runners. Upon receiving that good news, Net Control dismissed, with thanks, the remaining hams that were still at their assignments, and wished each ham a safe trip home.



**You are invited to attend the
2018 MDARC-HOLIDAY PARTY &
AWARDS DINNER**

**Sunday, December 2nd
Zio Fraedo's Restaurant
611 Gregory Lane, Pleasant Hill
(925) 933-9091**

5:00 PM Appetizers & No-Host Bar

6:00 PM ~ Dinner

7:00 PM ~ Awards Presentation

10:00 PM ~ Evening Ends

Entrée Choices:

Steak

Salmon

Pasta Vegetarian

Chicken Toscana

Chicken breasts, fresh mushrooms, artichoke hearts, white sauce

**On-line / over-the-phone/ email registrations or
cancellations, must be received no later than
12 noon - Sunday, November 25th. After that
time/date, NO Registrations will be accepted and
NO REFUNDS will be given.**

www.mdarc.org (Link under Club Announcements-Holiday Banquet)

Questions, contact Misa Siemons at (925) 876-6611

MDARC 2018 HOLIDAY PARTY AT
ZIO FRAEDO'S, Sunday - December 2nd
MAIL-IN REGISTRATION FORM

First Name

Last Name

Guest First Name

Guest Last Name

Guest First Name

Guest Last Name

Guest First Name

Guest Last Name

Entrée Choice

Quantity

Price Each

SUBTOTAL:

STEAK

_____ x \$ 55.00 \$ _____

SALMON

_____ x \$ 55.00 \$ _____

PASTA

_____ x \$ 55.00 \$ _____

CHICKEN

_____ x \$ 55.00 \$ _____

TOTAL DUE:

\$ _____

Any Food Allergies? _____

Make check payable to: MDARC

Holiday form & check payment must be RECEIVED by
Saturday, NOVEMBER 24, 2018

Mail to:

**Misa Siemons/MDARC
2308 Lomond Lane
Walnut Creek, CA 94598**



AMSAT Fox-1Cliff CubeSat Currently Scheduled for November 19th Launch

AMSAT is counting down to the launch of the next Fox-1 satellite, Fox-1Cliff.

Per Spaceflight Now, the launch of Spaceflight's SSO-A SmallSatExpress mission, on a SpaceX Falcon 9 from Vandenberg Air Force Base, is currently scheduled for November 19, 2018 at 18:32 UTC.

Fox-1Cliff carries the Fox-1 U/v FM repeater, AMSAT's L-Band Downshifter, the flight spare of the AO-85 Vanderbilt University Low Energy Proton (LEP) radiation experiment, and the standard Fox-1 Penn State University–Erie MEMS gyroscope experiment. Virginia Tech provided a VGA camera which is the same as AO-92's but will provide images at a higher 640 x 480 resolution. Additional information about the launch and early operations phase (LEOP) will be released prior to launch.

Submitted by Tom Deeble, KA6SIP, Membership Secretary

JEFF STRAUS, KE6J, SILENT KEY

It is with regret that I must advise you of the passing of Jeff Straus, KE6J, a long-time MDARC member and active ham. To my knowledge, information about services have not been announced and an obituary is not planned.

The following is a message from his wife:

Jeff really enjoyed his colleagues in the ham community. Unfortunately the Parkinson's disease eventually made it impossible for him to speak on the phone – he couldn't generate enough volume. A story about Jeff: Jeff was always interested in learning new things and experimenting so much so that he tried to share his new discoveries with his wife Eileen. Well, he encouraged Eileen to get her ticket. She eventually relented. Then Jeff encouraged her to learn to make phone calls though W6CX. So one day she practiced what she had learned and "called" Jeff from her radio. When he answered, she asked if he had taken out the garbage. There was silence until Jeff gathered himself and explained that you don't talk about stuff like that on the radio, etc., etc. Well, Eileen did not see any point in using such a restrictive medium when she had perfectly good telephone to use.

Jeff was a mentor to me in my early days as a ham. He will be missed.

Thankx,

Mike Patterson, N6JGA
MDARC Digital Media Chair

ANNUAL HOLIDAY FROZEN TURKEYS & FOOD BASKET DRIVE



TO PROVIDE FOOD BASKETS AND FROZEN TURKEYS FOR THE FAMILIES WE ARE SERVING THIS YEAR. SMALLER 10-15 LBS FIT THE NEEDS BEST. PEANUT BUTTER, CANNED MEATS AND OTHER STAPLES ARE USEFUL TOO.

Nov 1-Dec 20

Mon - Fri | 9:30 am - 4:30 pm | 3950 Clayton Road & West St.

For more information or to get involved as a volunteer contact:

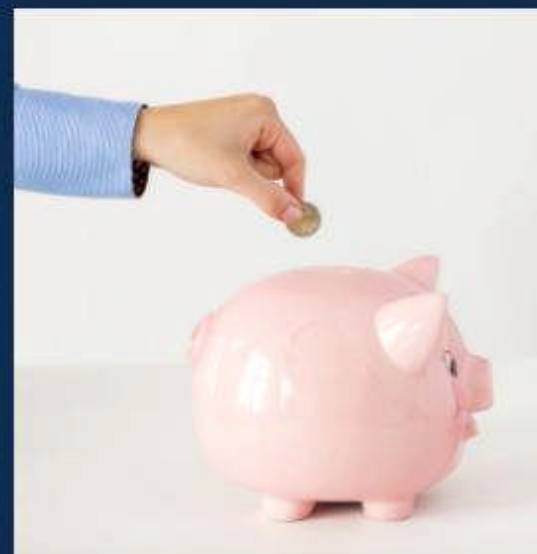
Michael O'Reilly at (925) 676-6180 ext 13

TO HELP YEAR ROUND, YOU CAN MAKE AN ONLINE DONATION AT: [HTTPS://SECURE20.SALVATIONARMY.ORG](https://secure20.salvationarmy.org)

TYPE IN THE SPECIFY USE BOX: "FOOD PANTRY, CONCORD, CA 94521"

MAIL OR DROP OFF A CHECK PAYABLE TO: THE SALVATION ARMY, 3950 CLAYTON RD, CONCORD, 94521

WRITE IN THE CHECK MEMO LINE: "FOOD PANTRY CONCORD, CA 94521"





*Thanks to our Uniformed Services Veterans for
Serving and Protecting the United States of America*

HAM RADIO OUTLET

14 STORE BUYING POWER!

ICOM



IC-7600 | All Mode Transceiver

- 100W HF/6m Transceiver, gen cov. receiver • Dual DSP 32 bit • Three roofing filters- 3, 6, 15kHz • 5.8 in WQVGA TFT display • Hi-res real time spectrum scope



IC-7200 | HF Transceiver

- 160-10M • 100W • Simple & tough with IF DSP • AGC Loop Management • Digital IF Filter • Digital Twin PBT • Digital Noise Reduction • Digital Noise Blanking • USB Port for PC Control



IC-7100 | All Mode Transceiver

- HF/50/144/430/440 MHz Multi-band, Multi-mode, IF DSP • D-STAR DV Mode (Digital Voice + Data) • Intuitive Touch Screen Interface • Built-in RTTY Functions



ID-5100A | VHF/UHF Dual Band Digital Transceiver

- Analog FM/D-Star DV Mode • SD Card Slot for Voice & Data Storage • 50W Output on VHF/UHF Bands • Integrated GPS Receiver • AM Airband Dualwatch • FM Analog/DV Repeater List Function

ID-51A | VHF/UHF Dual Band Transceiver

- 5/2.5/1.0/0.5/0.1W Output • RX: 0.52-1.71, 88-174, 380-479 MHz** • AM/FM/FM-N/WFM/DV • 1304 Alphanumeric Memory Chls • Integrated GPS • D-STAR Repeater Directory • IPX7 Submersible



KENWOOD



TS-590SG | HF/50MHz Transceiver

- Equipped with 500 Hz/2.7 kHz roofing filter as standard • ALC derived from TS-990S eliminating spike issues • Antenna output function (shared with DRV connector) • CW - morse code decoder function



TM-D710G | 2M/440 Dualband

- V+V/V+U/U+U operation • Built-in GPS • Built-in TNC for APRS & DX-Cluster operation • 50W 2M & UHF • 1,000 memories • Dual receive • Green or amber backlight colors • Latest APRS firmware w/new features • Sky Command II remote functions



TM-V71A | 2M/440 DualBand

- High RF output (50W) • Multiple Scan • Dual receive on same band (VxV, UxU) • Echolink® memory (auto dialer) • Echolink® Sysop mode for node terminal ops • Invertible front panel • Choice of green/amber for LCD panel • 104 code digital code squelch



TM-281A | 2 Mtr Mobile

- 65 Watt • 200 Memories • CTCSS/DCS • Mil-Std specs • Hi-quality audio

TH-F6A | 2M/220/440

- Dual channel receive • .1 - 1300 MHz (cell blocked) RX • FM, AM, SSB • 5W 2M/220/440 TX, FM • 435 Memories • Li-Ion Battery



YAESU
The radio



FT-991 | HF/50MHz/2M/440 Transceiver

- 160 M-440MHz - SSB/CW/FM/C4FM Digital/AM/RTTY/PSK • 100 W (2M/440: 50 Watts) • 3.5" TFT full-color touch panel operation • High speed spectrum scope • Roofing filters: 3kHz & 15kHz • 32-bit high speed floating point IF DSP



FTDX1200 | 100W HF + 6M Transceiver

- Triple Conversion Receiver With 32-bit Floating Point DSP • 40 MHz 1st IF with selectable 3 kHz, 6kHz & 15 kHz Roofing Filters • Optional FFT-1 Supports AF-FFT Scope, RTTY/PSK31 Encode/Decode, CW Decode/Auto Zero-In • Full Color 4.3" TFT Display



FT-450D | A100W HF + 6M Transceiver

- 100W HF/6M • Auto tuner built-in • DSP built-in • 500 memories • DNR, IF Notch, IF Shift



FTM-400DR | 2M/440 Mobile

- Color display-green, blue, orange, purple, gray • GPS/APRS • Packet 1200/9600 bd ready • Spectrum scope • Bluetooth • MicroSD slot • 500 memory per band

FT-60R | 2M/440 5W HT

- Wide receiver coverage • AM air band receive • 1000 memory channels w/alpha labels • Huge LCD display • Rugged die-cast, water resistant case • NOAA severe weather alert with alert scan



5 Ways to Shop!

- RETAIL LOCATIONS - Store hours 10:00AM - 5:30PM - Closed Sunday
- PHONE - Toll-free phone hours 9:30AM - 5:30PM
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- ONLINE - WWW.HAMRADIO.COM
- MAIL - All store locations

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OAKLAND, CA
(877) 892-1745

BURBANK, CA
(877) 892-1748

SAN DIEGO, CA
(877) 520-9623

NEW CASTLE, DE
(800) 644-4476

PORTLAND, OR
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DENVER, CO
(800) 444-9476

PHOENIX, AZ
(800) 559-7388

ATLANTA, GA
(800) 444-7927

WOODBIDGE, VA
(800) 444-4799

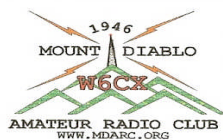
SALEM, NH
(800) 444-0047

PLANO, TX
(877) 455-8750

ONLINE STORE
WWW.HAMRADIO.COM

New Store!

Contact HRO for promotion details. Toll-free including Hawaii, Alaska and Canada. Call will be routed to the nearest store. All HRO 800-lines can assist you. If the first line you call is busy, you may call another. AZ, CA, CO, GA, VA residents add sales tax. Prices, specifications and descriptions subject to change without notice.



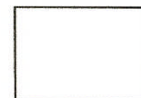
The Carrier

Newsletter of the Mt. Diablo Amateur Radio Club

P.O. Box 23222

Pleasant Hill, CA 94523

www.mdarc.org



NEXT MONTH: HOLIDAY AND AWARDS BANQUET DECEMBER 2

FIRST CLASS

<https://www.facebook.com/mdarc.org>

W6CX Nets

M-F 5:42 am Morning Muster 147.060+ 224.781- 441.325+

M-F 6:10am Commuter Net 147.060+ 224.781- 441.325+

Monday 8:00 pm SATERN Net 147.060+

Tuesday 7:30 pm Fat City 10 meter USB/CW Net 28.420 MHz

Tuesday 8:00pm Digital Practice Net 147.060+ 224.781- 441.325+

Wednesday 7:00 pm SKYWARN Net 147.060+

Thursday 7:30 pm MDARC Club Net 147.060+

Thursday 8:00 pm Amateur Television Net 147.060+

FM 147.060 MHz + / PL 100Hz -

224.780 MHz - / PL 77Hz 441.325 MHz + / PL 100Hz

EchoLink: W6CX-R /133896, IRLP: 3057

<https://www.broadcastify.com/listen/feed/25334>

D-STAR 145.000 offset plus 2.5 MHz

<https://w6cx.dstargateway.org/>

Digital ATV Output 1244.500 Digital ATV Input 1292.500

Analog ATV Inputs: 1270.000 FM (PL 192.8) 915.0 AM

ATV Internet Stream: <http://w6cxatv.mdarc.org/>

Contra Costa County Emergency Communications Nets

Every Thursday

<http://www.coco-races.org/meetings/nets/>

6:35 pm HF Countywide 3.893 MHz LSB

6:45 pm West County 145.110-- (82.5 PL)

7:00 pm Central County 145.680 Simplex

7:00 pm East County 146.535 Simplex

7:00 pm South County 147.480 Simplex

7:20 pm Countywide 145.490-- (107.2 PL)

or 147.735-- (107.2 PL)

or 145.410-- (107.2 PL)

Concord Auxiliary Radio Emergency Service (CARES)

Wednesday 8:00pm 147.405 Simplex

November and December 2018 and January 2019 Club Calendar

Friday November 16, 2018	7:30pm	MDARC General Meeting - Our Savior's Lutheran Church 1035 Carol Lane, Lafayette
Sunday December 2, 2018	5:00pm	MDARC Holiday Party and Awards Dinner - Zio Fraedo's Restaurant 611 Gregory Lane, Lafayette
Saturday January 5, 2019	8:00am	MDARC Technical Committee Meeting - Ygnacio Valley Library 261 Oak Grove Road, Walnut Creek
Monday January 7, 2019	7:00pm	MDARC Board of Directors Meeting - Black Bear Diner 700 Bancroft Road, Countrywood Shopping Center, Walnut Creek